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Silylated tris-dihydroxyphenyl-s-triazine ultraviolet absorber - prepared
by introducing alkyl and alkoxy silyl and organo-siloxane ether into
phenyl ring, in light-protection cosmetic for skin or hair

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Number of Countries: 034 Number of Patents: 017

Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 863145	A2	19980909	EP 98103244	A	19980225	199840 B
NO 9800841	A	19980904	NO 98841	A	19980227	199845
AU 9855419	A	19980903	AU 9855419	A	19980220	199847
JP 10251273	A	19980922	JP 9844921	A	19980226	199848
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US 5976512	A	19991102	US 9834616	A	19980217	199953
KR 98079789	A	19981125	KR 986681	A	19980228	200004
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BR 9800799	A	20000314	BR 98799	A	19980302	200027
CN 1192441	A	19980909	CN 98103892	A	19980219	200040
AU 735412	B	20010705	AU 9855419	A	19980220	200143
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TW 513417	A	20021211	TW 98103078	A	19980303	200353
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ES 2206771	T3	20040516	EP 98103244	A	19980225	200434
CN 1091771	C	20021002	CN 98103892	A	19980219	200525

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Patent Details:

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AU 9855419 A C07F-007/10

JP 10251273 A 16 C07F-007/10

CA 2230397 A C07F-007/10

US 5976512 A A61K-007/42

KR 98079789 A C07D-251/24

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BR 9800799 A C07F-007/08

CN 1192441 A C07F-007/18

AU 735412 B C07F-007/10 Previous Publ. patent AU 9855419

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DE 59809758	G	C07F-007/08	Based on patent EP 863145
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CN 1091771	C	C07F-007/18	

Abstract (Basic): EP 863145 A

Alkyl-silyl, alkoxy-silyl and organosiloxane ethers of 2,4,6-tris-(2',4'-dihydroxy-phenyl)-1,3,5-triazines of formula (I) are new;

formula

X = S-Z- and one X may be hydrogen or S;

Z = saturated or mono- or poly-unsaturated 3-12 C alkyl spacer group; and

S = 1-18 silicon tri-(3-15 C alkyl)-silyl or tri-(3-15 C alkoxy)-silyl oligo-siloxane group.

USE - Used as light-protection agents and n light-protection compositions, optionally in conjunction with other ultra-violet (UV) filter(s) (all claimed). Useful in sun protection cosmetics, eg. emulsions, for the skin or hair.

ADVANTAGE - Symmetrical

2,4,6-tris-(2',4'-dihydroxy-phenyl)-1,3,5-triazines are very efficient for protecting textiles against UV-A and UV-B light but have poor solubility in almost all solvents, making them unsuitable for use eg. for cosmetic applications. 2-Hydroxyphenyl-s-triazines with groups containing Si have been used as light stabilisers for organic polymers, especially against UV-B light. (I) provide good protection from light, are readily soluble in organic solvents, especially those used in cosmetics, and have good photostability.

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Title Terms: SILYLATED; TRI; DI; HYDROXYPHENYL; TRIAZINE; ULTRAVIOLET; ABSORB; PREPARATION; INTRODUCING; ALKYL; ALKOXY; SILYL; ORGANO; SILOXANE; ETHER; PHENYL; RING; LIGHT; PROTECT; COSMETIC; SKIN; HAIR

Derwent Class: A26; A96; D21; E11; P42

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